



Tennessee Department of Environment and Conservation,
Division of Water Pollution Control
401 Church Street, 6th Floor L & C Annex, Nashville, TN 37243
(615) 532-0625
**CONCENTRATED ANIMAL FEEDING OPERATION (CAFO)
STATE OPERATING PERMIT (SOP)
NOTICE OF INTENT (NOI)**

Type of permit you are requesting: ☐ SOPCD0000 (designed to discharge) ☐ SOPC00000 (no discharge) ☐ Unknown, please advise
Application type: ☒ New Permit ☐ Permit Reissuance ☐ Permit Modification
If this NOI is submitted for Permit Modification or Reissuance provide the existing permit tracking number:

OPERATION IDENTIFICATION

Operation Name: Hickman Poultry Farm		County: Hamilton
Operation Location/ Physical Address: 11846 Birchwood Pike Harrison, TN 37341		Latitude: 35.271961
		Longitude: -85.051950
Name and distance to nearest receiving water(s): Thatch Branch , which flows to Murphy Slough in Chickamauga Lake		
If any other State or Federal Water/Wastewater Permits have been obtained for this site, list those permit numbers:		
Animal Type: <input checked="" type="checkbox"/> Poultry <input type="checkbox"/> Swine <input type="checkbox"/> Dairy <input type="checkbox"/> Beef <input type="checkbox"/> Other _____		
Number of Animals: 108,000	Number of Barns: 3	Name of Integrator: Koch Foods
Type of Animal Waste Management: (check all that apply) <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Liquid <input type="checkbox"/> Liquid, Closed System (i.e. covered tank, under barn pit, etc.)		
Attach the NMP <input checked="" type="checkbox"/> NMP Attached	Attach the closure plan <input checked="" type="checkbox"/> Closure Plan Attached	Attach a topographic map <input checked="" type="checkbox"/> Map Attached

PERMITTEE IDENTIFICATION

Official Contact (applicant): Adam Hickman		Title or Position: Owner/Operator		<input checked="" type="checkbox"/> Correspondence <input checked="" type="checkbox"/> Invoice
Mailing Address: 11846 Birchwood Pike	City: Harrison	State: TN	Zip: 37341	
Phone number(s): 423 802-4042	E-mail:			
Optional Contact:		Title or Position:		<input type="checkbox"/> Correspondence <input type="checkbox"/> Invoice
Address:	City:	State:	Zip:	
Phone number(s): (E-mail:			

APPLICATION CERTIFICATION AND SIGNATURE (must be signed in accordance with the requirements of Rule 1200-4-5-.05)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and title; print or type Adam Hickman, owner/operator	Signature 	Date 7-1-15
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STATE USE ONLY

Received Date	Reviewer	EFO	T & E Aquatic Fauna	Tracking No.
	Impaired Receiving Stream	High Quality Water		NOC Date

CAFO NOTICE OF INTENT INSTRUCTIONS

Background. All operations defined as CAFOs (concentrated animal feeding operation) must seek coverage under a permit. Operations that meet the Class II size criteria (TDEC Rule 1200-4-5-.14) and that discharge or that propose to discharge (...if designed, constructed, operated or maintained such that a discharge will occur) need coverage under the General State Operating Permit (SOP) for Concentrated Animal Feeding Operations, Permit Number SOPCD0000. Operation meeting the size criteria for either a Class I or Class II operation that do not discharge and that do not propose to discharge, but otherwise meet criteria in state rules need coverage under the General State Operating Permit (SOP) for Concentrated Animal Feeding Operations (CAFOs), Permit Number SOPC00000. AFOs (animal feeding operations) meeting or exceeding the size thresholds in column 1 of table 1200-4-5-.14-.1 are considered large (Class I) CAFOs. Class I CAFOs that propose to discharge must apply for an individual NPDES permit (application forms are available at: <http://www.state.tn.us/environment/permits/h2oforms.shtml>). All other CAFOs must apply for a state permit using this form. This form must be submitted at least 180 days before a CAFO commences operation.

Complete the form. Type or print clearly, using black or blue ink; not markers or pencil. Answer each item or enter "N/A," for not applicable. If you need additional space, attach a separate piece of paper to the NOI. Applicants must submit a NMP (Nutrient Management Plan), and a closure plan along with this NOI. **The application will be considered incomplete without supplying all of the required information.**

Operation Identification. Describe and locate the project, use the legal or official name of the facility or site. Provide the latitude and longitude (expressed in decimal degrees) of the center of the site, which can be located on USGS quadrangle (i.e. topographic) maps. Topographic maps may be obtained at the USGS website: <http://store.usgs.gov>. Attach a copy of a portion of a 7.5 minute quad map (i.e. 1:24,000-scale topographic map), showing location of site, with boundaries at least one mile outside the site boundaries.

Permittee Identification. Official Contact – Provide the name, telephone number, address, and E-mail address of the person or corporation which proposes to operates or operates and/or profits from this AFO. **Facility Contact** – Provide the name, telephone number, address, and E-mail address of the person most familiar with the operation and with the facts reported in the NOI. This person may be contacted by the division, if necessary. Indicate where to send correspondence and invoices.

Fees. There is no application fee for this permit. An annual maintenance fee may be required and you will be invoiced at a later date.

Submitting the form and obtaining more information. Note that this form must be signed by the chief executive officer, owner, or highest ranking elected official. Submit a complete application to both the Tennessee Department of Agriculture (TDA) and to TDEC-WPC; keep a copy for your records. Original documents should be sent to TDEC-WPC and a copy should be sent to TDA, at the addresses below:

CAFO Notice of Intent TDEC Division of Water Pollution Control 401 Church Street 6th Floor L&C Annex Nashville, TN 37243	CAFO Notice of Intent Water Resources TDA-Ellington Agricultural Center PO Box 40627 Nashville, TN 37204
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Upon receipt of the required items the division will conduct a review of the material, and notify the applicant of any deficiencies. Notification may also come from the Tennessee Department of Agriculture, which reviews the NMP. When all the deficiencies have been corrected, the division will process the NOI and issue permit coverage.

The division has the right to inspect a facility when deemed necessary. In addition, the division has the right to revoke or suspend any permit for violation of permit conditions or any other provisions of the Tennessee Water Quality Control Act and other water pollution control rules.

The division is responsible for regulating any activity, which involves a potential discharge in order to protect waters of the State from pollution and to maintain the highest possible standards in water quality.

Obtaining more information/assistance For more information or assistance, contact your local Environmental Field Office (EFO), toll-free, at 1-888-891-8332 (TDEC) or at the number listed below.

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000

Hickman Poultry Farm
Facility Name

Declarations to Nutrient Management Plan:

By my signature below, I affirm that I have read, understand, and will comply with the following stipulations from Tennessee's CAFO regulations that apply to my CAFO operation:

- 1) All animals in confinement are prevented from coming in direct contact with waters of the state.
- 2) All chemicals and other contaminants handled on-site are not disposed of in any manure, litter, process wastewater, or storm water storage or treatment system unless specifically designed to treat such chemicals and other contaminants.
- 3) Pesticide-contaminated waters will be prevented from discharging into waste retention structures. Waste from pest control and from facilities used to manage potentially hazardous or toxic chemicals shall be handled and disposed of in a manner that will prevent pollutants from entering waste retention structures or waters of the state.
- 4) Chemicals, manure/litter, and process wastewater will be managed to prevent spills. Spill clean-up plans will be developed and any equipment needed for spill clean-up will be available to facility personnel.
- 5) All sampling of soil and manure/litter is conducted according to protocols developed by UT Extension.
- 6) All records outlined in the permit that I am applying for will be maintained and available on-site.
- 7) Any confinement buildings, waste/wastewater handling or treatment systems, lagoons, holding ponds, and any other agricultural waste containment/treatment structures constructed or modified after April 13, 2006, are or will be located in accordance with NRCS Conservation Practice Standard 313.
- 8) A copy of the most recent Nutrient Management Plan will be kept as part of the farm records and will be maintained and implemented as written.
- 9) If applicable, all waste directed to under floor pits shall be composed entirely of wastewater (i.e. washwater and animal waste).
- 10) The Tennessee Department of Environment and Conservation Division of Water Resources will be notified of any significant wildlife mortalities near retention ponds or following any land application of animal wastes to fields.
- 11) All employees involved in work activities that relate to permit compliance will receive regular training on proper operation and maintenance (O&M) of the facility and waste disposal. Training shall include appropriate topics, such as land application of wastes, good housekeeping and material management practices, proper O&M of the facility, record keeping, and spill response and clean up. The periodic scheduled dates for such training shall be identified in the current Nutrient Management Plan.
- 12) There shall be no land application of nutrients within 24 hours of a precipitation event that may cause runoff. The operator shall not land apply nutrients to frozen, flooded, or saturated soils.


Signature of CAFO Owner/Operator

7-1-15
Date

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

1. Farmer/ Producer Information

Is ALL litter removed from your farm (i.e. you not apply litter on your land)?*

*If the answer is "No," do not complete this form.

Yes

No

Please circle one

First Name: Adam

Last Name: Hickman

Farm/ Operation Name: Hickman Farm

Tennessee County: Hamilton

2. Volumes and Calculations

Poultry Type:

Broiler

Pullet

Layer

circle the type(s)

Key

A Number of birds per house per grow-out:

36000

The amount of litter removed from a poultry house will vary depending on the litter moisture content, type and size of birds, and length of time birds are kept in house. Below is a Table summarized from the NRCS Poultry System Calculator V10.0 to assist in placing the litter amount produced per bird and assist in litter calculations.

B Number of Houses:

3

C Number of Grow-Outs / Year:

5

D Average Weight of Litter Produced (lbs.)/ Bird / Grow-Out (see Table at right or use your farm average if known)

2.4

Type of Bird	Market/ Mature Weight (lbs)	Avg. Weight of Litter Produced (lbs)/ Bird / Grow-Out
Broilers	small (3.8 - 5 .8)	2.1
	large (5.9 - 7+)	2.4
	Layer	8
Pullet	5.5	3

Take Bolded Letters in Key Column Above and Below to Assist in Calculating Values Below

Number of Birds per Grow-Out = A x B =

108000

Number of Birds Example: If A = 22,000 and B= 2 and C= 5.5 then:
22,000 X 2 = 44,000 number of birds

KEY

E Number of Birds per Year = A x B x C =

540000

Number of Birds per Year Example: If A = 22,000 and B= 2 and C = 5.5 then:
22,000 x 2 x 5.5 =242,000 number of birds per year

Total Tons of Litter Produced per Year on the Farm = E x D / 2,000 =

648

Tons of Litter Produced Example: If E = 242,000 and D = 2.1 lbs. then:
242,000 x 2.1 lbs = 508,200 lbs. / 2,000 = 254 Tons

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

2. Litter Handling and Storage

Litter Storage Capacity

Key	Storage Capacity within Poultry Houses (cu ft)	13750	No. of Houses	3
	<small>Length of poultry house (ft) X Width of poultry house (ft) X Height of litter (ft) = cubic feet of storage</small>			
A	Total capacity within poultry barns (cu ft) X number of barns			41250 cu ft
	Storage Capacity within Litter Sheds (cu ft)	22750	No. of Sheds	1
	<small>Length of litter shed (ft) X Width of litter shed (ft) X Height of litter (ft) = cubic feet of storage</small>			
B	Total capacity within litter storage sheds (cu ft) X number of sheds			22750 cu ft
C	Storage Capacity of Other Storage Areas, if Applicable (cu ft)			0
	Total Litter Storage Capacity Onsite (A + B +C)			64000 cu ft

Litter Contents from Manure Analysis (as is basis) *

* Manure analyses will be performed annually, and the results will be provided to all parties removing litter from my farm or operation.

Laboratory Name	House	Date of Analysis	Total N	P ₂ O ₅ ^a	K ₂ O ^b	Units
MMP-estimate	1	MMP-estimate	25.5	20.6	26.6	lbs./Ton
MMP-estimate	2	MMP-estimate	25.5	20.6	26.6	lbs./Ton
MMP-estimate	3	MMP-estimate	25.5	20.6	26.6	lbs./Ton

*****Attach laboratory results. If a new facility, provide the source of the estimates used.*****

Notes:

N = Nitrogen

P₂O₅ = Phosphorus Oxide

K₂O = Potassium Oxide

*If Phosphorus is expressed in analyses as Phosphorus (P), simply multiple P lbs. X 2.3 to convert to P₂O₅.

*If Potassium is expressed in analyses as Potassium (K), simply multiple K lbs. X 1.2 to convert to K₂O.

Mortality Management

Dead birds will be disposed of according to State and local laws in a way that does not adversely affect groundwater or create public health concern. All mortalities will be disposed of using:

Composting	Incineration	Rendering*	Other:
<small>please circle one</small>			

*If rendering, include the name and address of renderer.:

Closure Plan

In the event that poultry production at this location ceases, the following will be done in 360 days:

- Any litter/ compost currently in storage at the time of closure will be removed and spread elsewhere according to my current NMP.
- All litter in houses will be removed and spread elsewhere according to my current NMP.
- The most current manure analysis performed by an accredited laboratory will be provided to anyone removing litter on my farm.
- Any dead birds in the houses at the time of closure will be disposed of according to my NMP.

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

3. Best Management Practices/Conservation Practices

Best Management Practices/Conservation Practices for Production Are

The following site-specific Best Management Practices (BMPs) and conservation practices will be implemented to minimize environmental impacts in production areas (*please indicate all that apply*). The design and implementation of the BMPs will meet minimum standards set in the NRCS Field Office Practice Standard and/or the NRCS Animal Waste Handbook.

- | | |
|-----------------------|---|
| _____ | • Buffer strips/filter strips |
| _____ | • Silt fencing, riprap, stone gabions, or other structural erosion control |
| <u> x </u> | • Maintain roads and heavy traffic areas |
| <u> x </u> | • Proper manure/litter storage (i.e. under cover, prevents runoff) |
| <u> *see below </u> | • Balanced diet/ration to prevent excessive nutrients in manure/litter |
| <u> x </u> | • Regular inspections and maintenance of structures and equipment |
| <u> x </u> | • General housekeeping (i.e. cleanup of waste/litter spills during transfers) |
| _____ | • Other (<i>please describe in detail below, or attach additional pages as needed</i>): |

*Poultry company makes all feed decisions for rations and ingredients

Diversion of Clean Water

I certify that:

- Uncontaminated stormwater runoff shall be diverted away from manure, litter, process wastewater, waste retention
- Clean water will be diverted , as appropriate, from the production area.
- Please provide a brief explanation/description of how clean water will be diverted below:

Proposed site is on south slope of a small hill and will be graded for drainage and leveled.
The area around and in between the poultry houses and proposed litter shed will drain to grassed waterways that drain north and south to ditches that flow east to a riparian stream.

Facility Maintenance

The following maintenance activities will be performed at the facility (*please indicate all that apply*):

- | | |
|--------------|---|
| <u> x </u> | • Regular inspections, maintenance, and repair of structures, equipment, and vehicles |
| <u> x </u> | • Replacement and upgrade of structures, equipment, and vehicles as needed |
| <u> x </u> | • Regular training of facility personnel in maintenance/housekeeping techniques |
| <u> x </u> | • Maintenance of vegetation (i.e. mowing, weeding, seeding) |
| _____ | • Other (<i>please describe in detail below, or attach additional pages as needed</i>): |

***If your facility has a separate Operation and Maintenance (O&M) Plan, please attach a copy**

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

4. Checklist

Use this sheet to help ensure that you have included all required items in order for your CAFO application and Nutrient Management Plan to be approved. Please attach the following items to this worksheet to complete your CAFO permit application.

Forms

- X ☐ • Signed revised Notice of Intent Form
- X ☐ • Signed Declarations to Nutrient Management Plan

Maps

- X ☐ • Full color map of Farm/ Operation Showing the Location of Barns/ Houses, Compost Bins, Litter Storage Bins, Nearby Roads, Streams, Wetlands, etc.
- X ☐ • Full color topographical map of the Farm/ Operation showing property lines and location of poultry houses.

Manure Analysis

- WILL DO ☐ • Annual Manure Analysis Performed by an Accredited Laboratory

Mail complete packet to:

Heidi McIntyre-Wilkinson, Environmental Specialist
Tennessee Department of Agriculture
Nonpoint Source and CAFO Programs
424 Hogan Road
Nashville, TN 37220

The completed packet can also be scanned and sent via electronic mail to:
Heidi.McIntyre-Wilkinson@tn.gov

5. Certification

As the owner/operator, I am certifying that I am the decision-maker for this operation. All information included in my CAFO permit application packet is complete and accurate to the best of my knowledge. I understand that I am responsible for the implementation of the NMP and for maintaining all necessary records for the operation.

Signature: _____

Date: _____

7-1-15

Nutrient Management Plan - Poultry

Keep For Your Records

Names of Persons / Companies Removing Poultry Litter from

Name of Farm / Operation Where Litter Originates

Name: _____

Address: _____
County

Phone: _____

Estimated Tons of Litter:	Date	Tons	Date	Tons	Date	Tons	Date	Tons

Name: _____

Address: _____
County

Phone: _____

Estimated Tons of Litter:	Date	Tons	Date	Tons	Date	Tons	Date	Tons

Name: _____

Address: _____
County

Phone: _____

Estimated Tons of Litter:	Date	Tons	Date	Tons	Date	Tons	Date	Tons

Name: _____

Address: _____
County

Phone: _____

Estimated Tons of Litter:	Date	Tons	Date	Tons	Date	Tons	Date	Tons

Hickman Poultry Farm

Nutrient Management Plan

Poultry Farm, 100% export of litter

Date Prepared: 5-21-2015



For Years; 2015-2019

Operation Name: **Hickman Poultry Farm**
Owner / Operator's Name: **Adam Hickman**
Mailing address: **11846 Birchwood Pike**
Harrison, TN 37341
Farm Address: **Gamble Road**
Harrison, TN 37341
Operation Telephone Number: **Adam's cell: (423) 802-4042**
GPS Coordinates: **35.271961, -85.051950**

Prepared by: Dennis J Godar, TSP 03-2005
ManPlan Inc
8810 Buckhart Road
Rochester, IL 62563

Conservation Planner

As a Conservation Planner, I certify that I have reviewed the *Nutrient Management Plan* documents for technical adequacy and that the elements of the documents are technically compatible, reasonable and can be implemented.

Signature:  Date: 5/21/2015

Name: Dennis J. Godar, TSP # 03-2005

Owner/Operator

As the owner/operator of this concentrated animal feeding operation, (CAFO), I, as the decision maker, have been involved in the planning process and agree that the items/practices listed in each element of the NMP are needed. I understand that I am responsible for keeping all the necessary records associated with the implementation of this NMP. It is my intention to implement/accomplish this NMP in a timely manner as described in the plan.

Signature:  Date: 7-1-15

Name: Adam Hickman

Description of Operation

General Description of Operation

Hickman Poultry Farm is a proposed poultry confinement operation that will be operated by Mr. Adam Hickman. The new poultry facilities are planned to have capacity for 108,000 broilers total in three houses. The water source for the proposed poultry operation is a pipeline connection to the rural water district along Gamble Road. A deep well on adjacent property will serve as a backup water supply.

The proposed facilities will be located on a graded site approximately 1 ½ miles east of Chickamauga Lake and 1 mile west of the Dividing Ridge. Surface drainage from the area surrounding the facilities will be graded and rippapped as needed to prevent gullies, to drain north and south in ditches to a riparian stream that flows north to Thatch Branch that flows approximately 1 ¾ miles northwest to Murphy Slough connected to Chickamauga Lake.

The predominant soil on the property is Enders Gravelly Loam, well drained with depth to bedrock of 50 to 60 inches. Land use in the area is mostly woodlands, pastures, hayfields and rural residential areas. Most of the streams in the area have riparian buffers that reduce the impacts of soil erosion and nutrient runoff while also providing wildlife habitat.

Another poultry operation is located approximately 2400 feet southwest.

There are 19 non-farm residences located within a ¼ mile of the poultry facilities and many additional neighbors located with-in ½ mile. Most of the neighboring residences are to the south and west along Gamble road and Birchwood Pike. Natural air drainage is to the north along Thatch Branch.

General topography of the production site is 2-12% slopes and will be leveled and graded to accommodate the poultry houses. Slopes of the surrounding area range from 2 to 25%.

Watershed Areas:

The operation is located in the Tennessee River-Chickamauga Lake-Middle sub-watershed, (12-digit HUC: 060200010606).

This is located within in the Tennessee River watershed. (10-digit HUC: 0602000106).

These watersheds are all located within the 8-digit HUC: 06020001 Sub-basin known as the Middle Tennessee-Chickamauga Watershed.

(See watershed reports at the end of this section).

Sampling, Calibration and Other Statements

- Manure sampling frequency: All broiler litter and compost will be sampled and analyzed annually.
- Soil testing frequency: If fields are added to this CNMP in the future, soil testing should be done a minimum of every four years or sooner. Soil testing is an important tool to manage soil fertility with proper use of manure and fertilizers to match plant nutrients to crop rotations.
- Equipment calibration should be accomplished annually and whenever changing rates. For surface applied solids, use of the 'tarp' method also is a check on uniformity of applications.
- Measures to prevent direct contact of animals with water: Broiler chickens are all housed inside of the broiler houses. No other confined animals on site.
- This size operation is required to obtain a Class 2 Medium CAFO, general operating permit from Tennessee Department of Environment and Conservation, (TDEC). Permit holders are required to record total litter produced, quantities and rates land applied and quantity sold off-site and submit an annual report to TDEC.

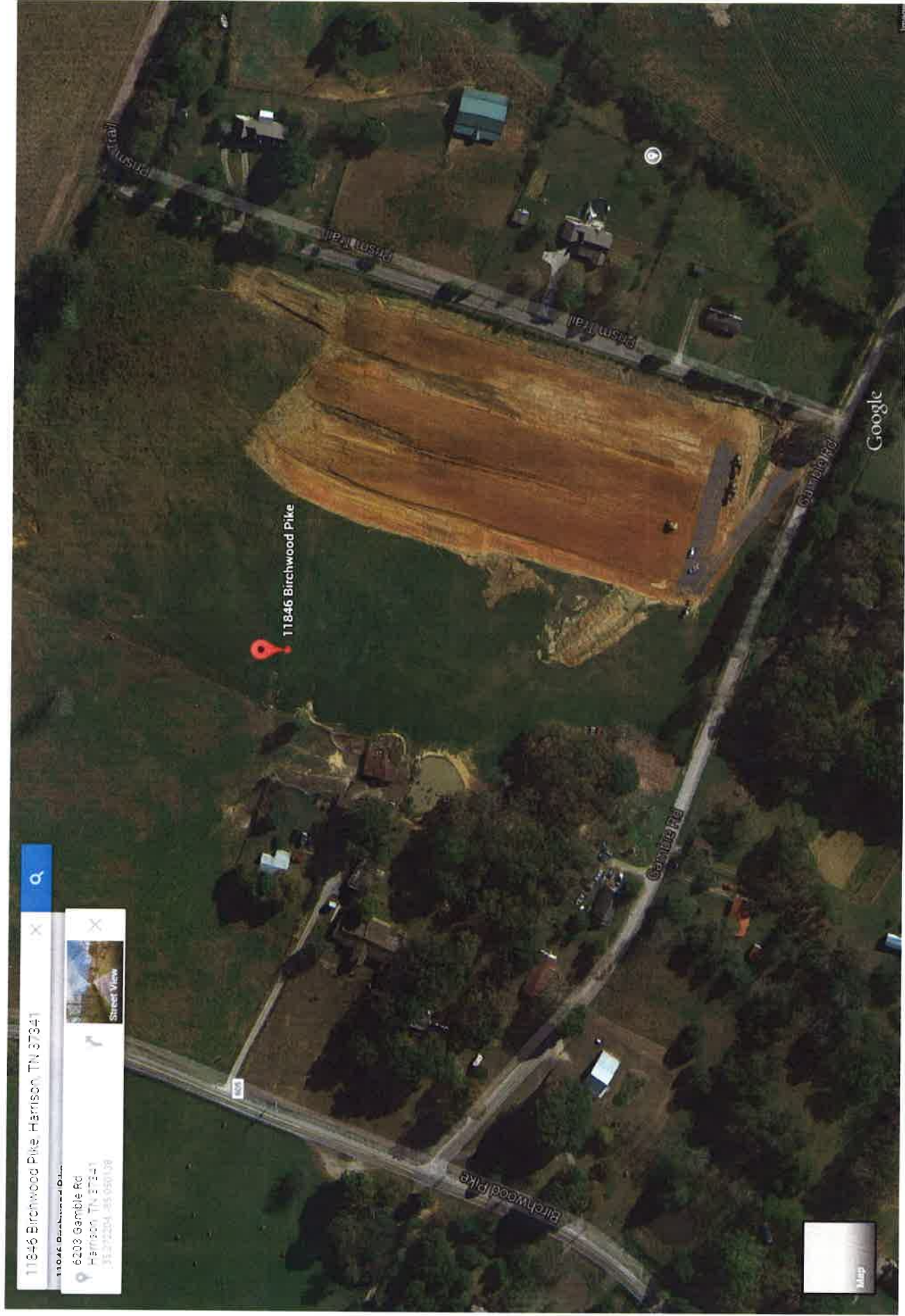
This NMP is for a poultry producer that exports (sells or gives away) all litter produced.

This NMP document includes:

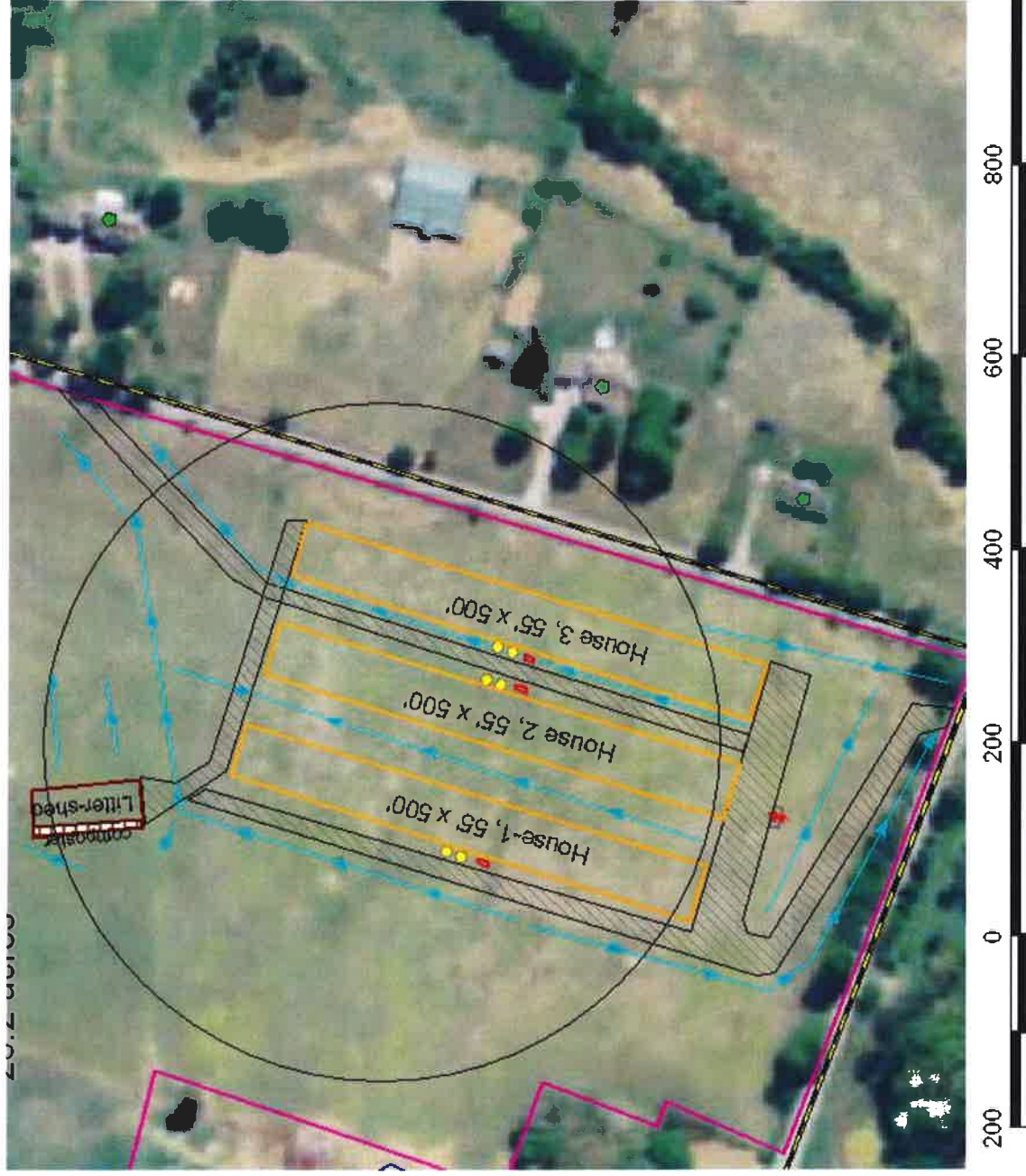
- Pages 6-12, Aerial Maps, Topography Maps, Watershed map, Road Map.
- Page 13, [Declarations to Nutrient Management Plan](#).
- Pages 14-18: TDA [poultry worksheet](#) that fulfills the requirements of an NMP for CAFO permitting. The worksheet will not meet the requirements of a CNMP.
- This NMP can be upgraded to a CNMP if needed; Call Dennis Godar at ManPlan Inc for details.

ManPlan Inc
8810 Buckhart Road
POB 498
Rochester, IL 62563

Phone: 217 622-4199, cell
217 498-8817, office

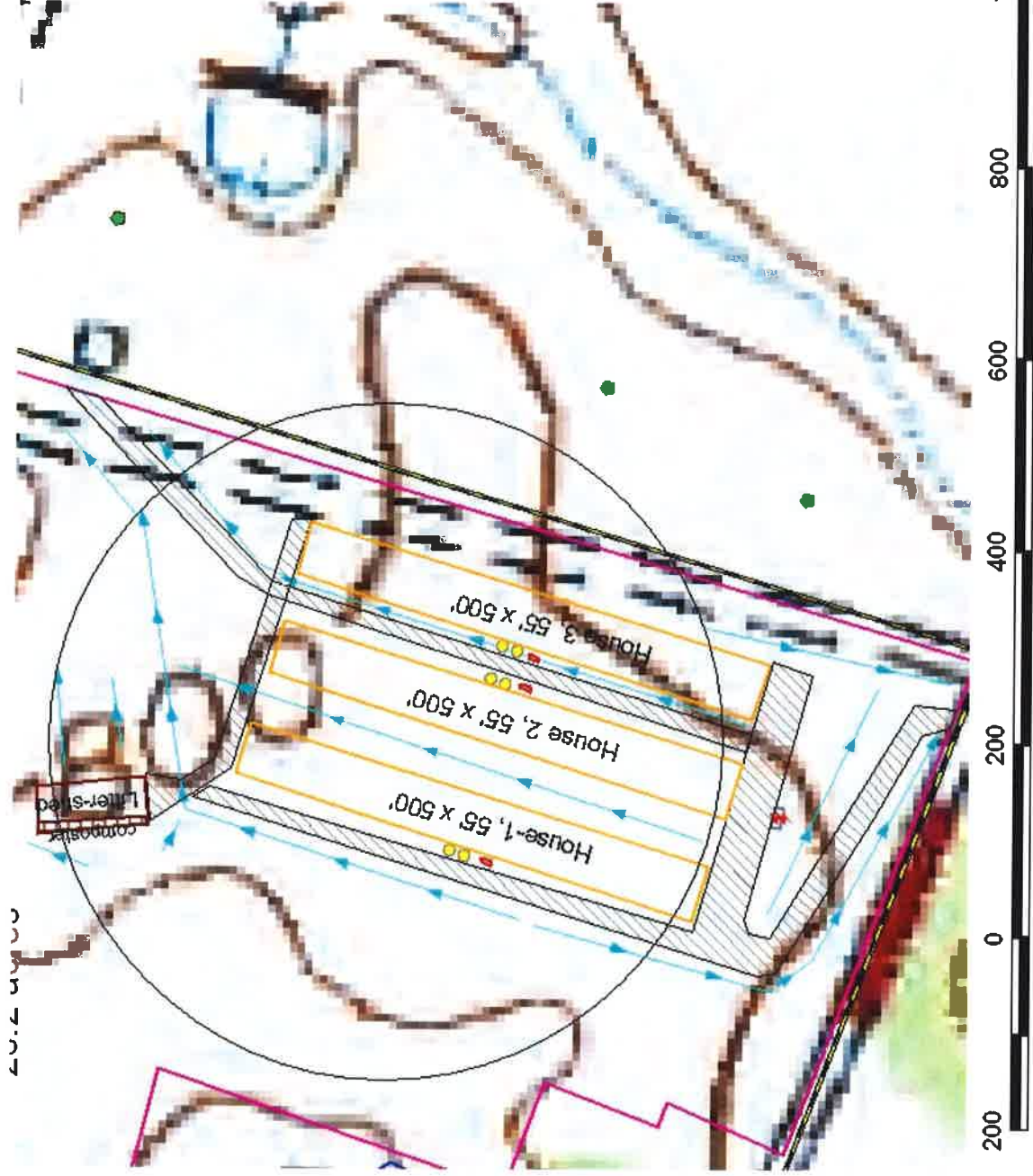


Hickman Poultry Farm



Poultry Facilities	
	Broiler-Houses
	Litter-shed
	Composter
	Driveway
	Feed bins
	Lp-tanks
	Generator
	Utility-shed
	Drainage
	Well
	Farm residence
	Property lineshp
	Neighbor residences
	Road
	Pond

Hickman Poultry Farm

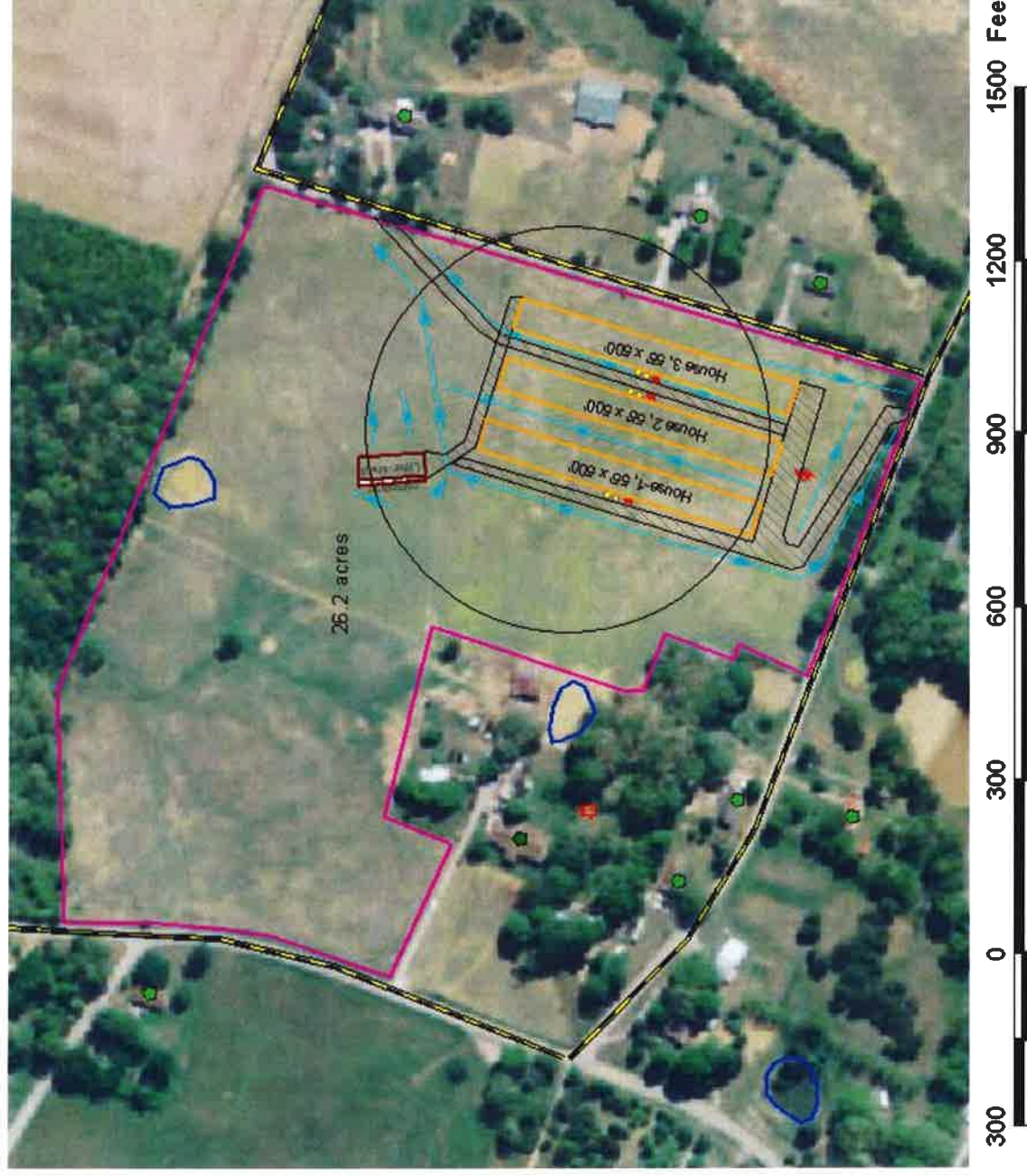


Poultry Facilities	
	Broiler-Houses
	Litter-shed
	Composter
	Driveway
	Feed bins
	Lp-tanks
	Generator
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Hickman Poultry Farm

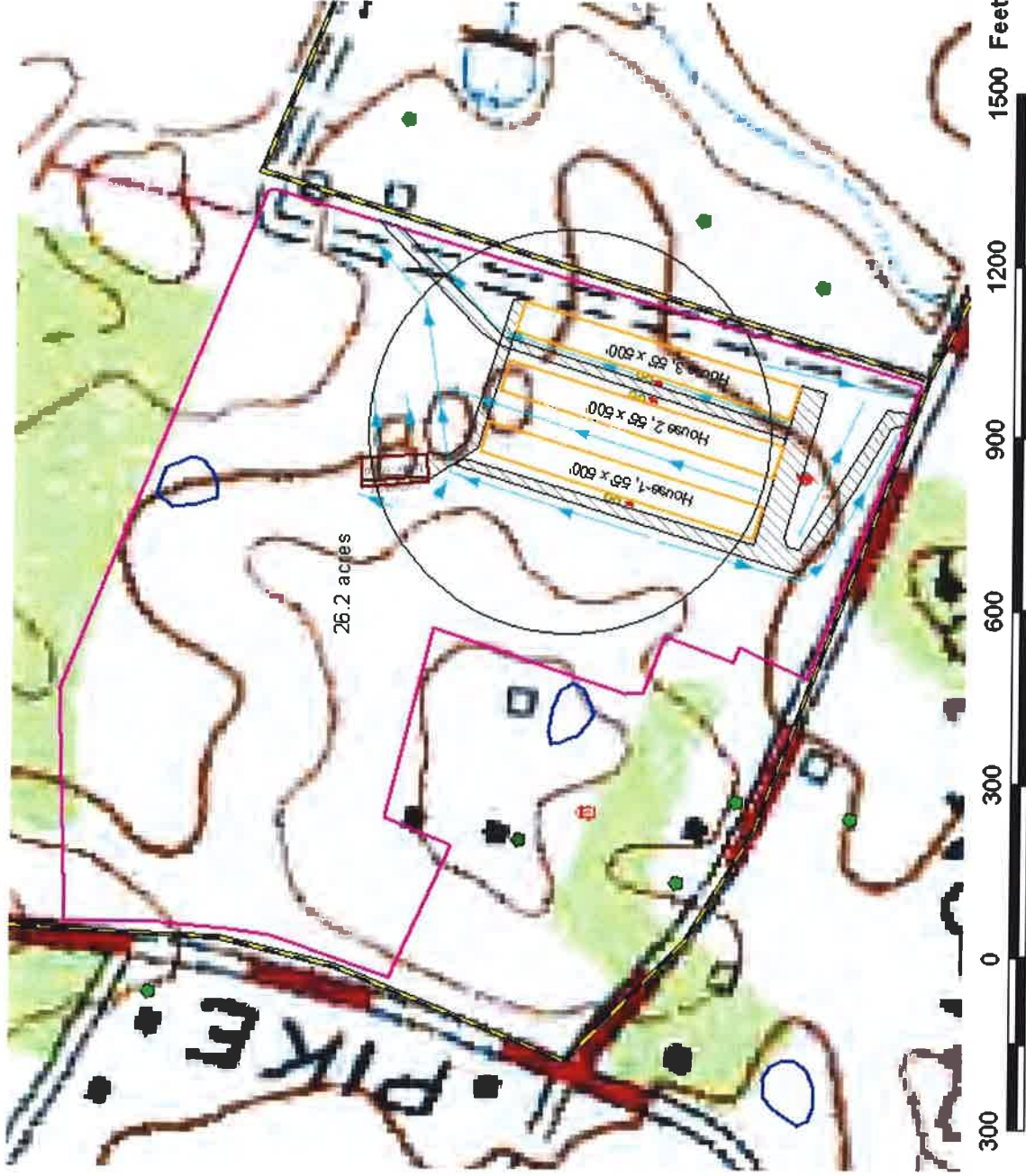


N ManPlan 2015



Poultry Facilities	
	Broiler-Houses
	Litter-shed
	Composter
	Driveway
	Feed bins
	Lp-tanks
	Generator
	Utility-shed
	Drainage
	Well
	Farm residence
	Property line.shp
	Neighbor residences
	Road
	Pond

Hickman Poultry Farm

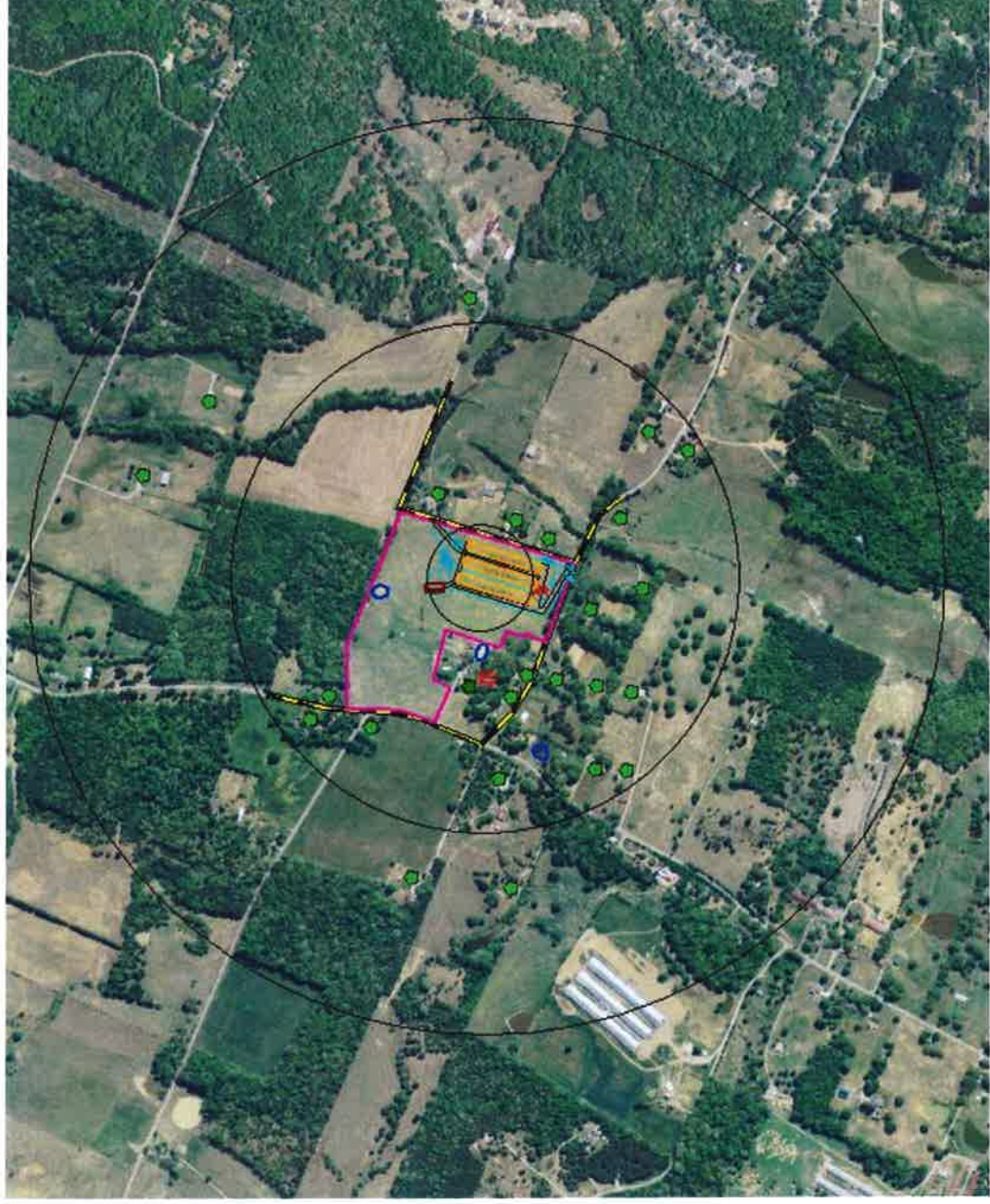


Poultry Facilities	
	Broiler-Houses
	Littershed
	Composter
	Driveway
	Feed bins
	Lp-tanks
	Generator
	Utility-shed
	Drainage
	Well
	Farm residence
	Property lineshp
	Neighbor residences
	Road
	Pond

Hickman Poultry Farm



N ManPlan 2015



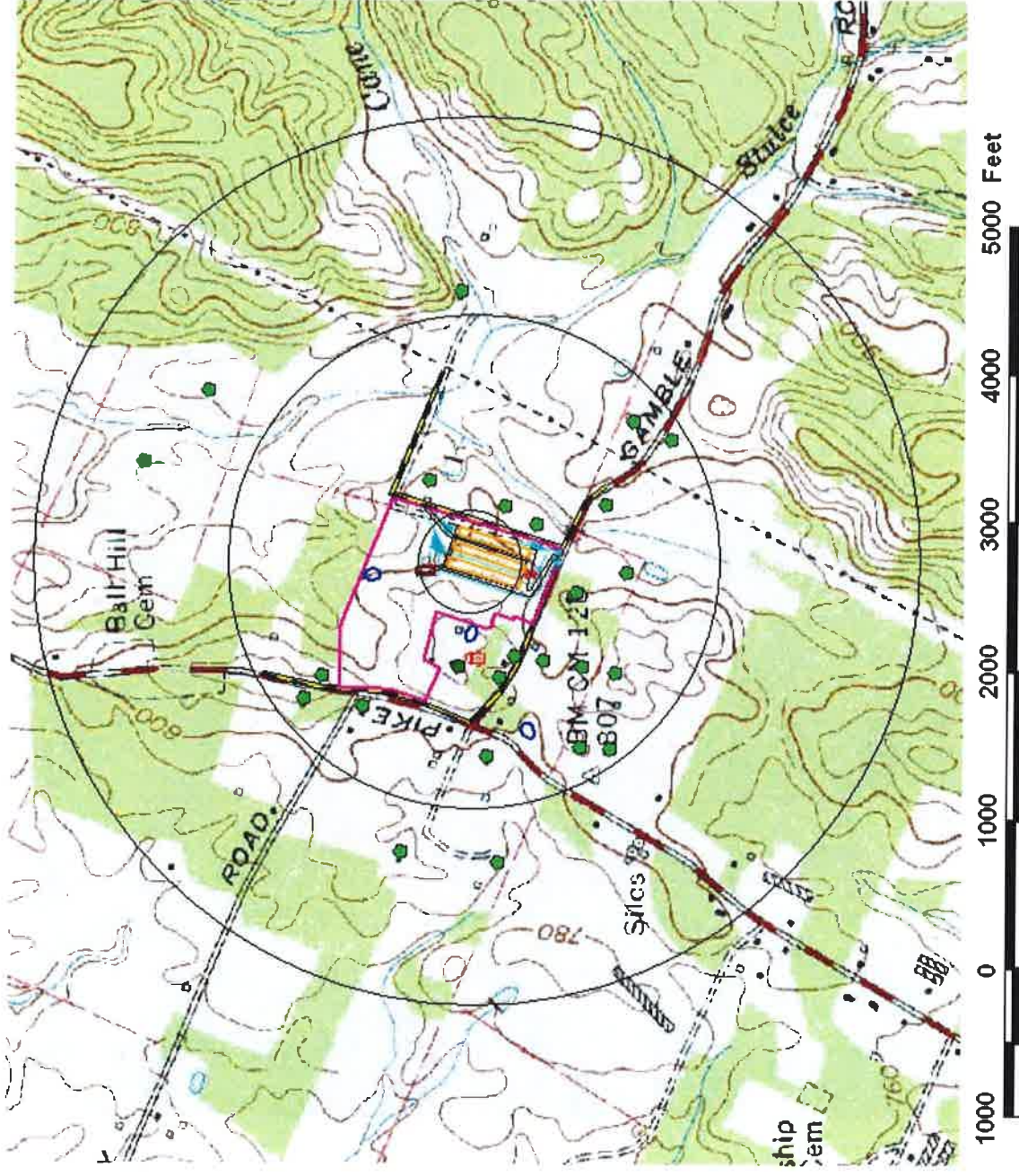
Poultry Facilities

	Broiler Houses
	Litter shed
	Composter
	Driveway
	Feed bins
	Lp-tanks
	Generator
	Utility-shed
	Drainage
	Well
	Farm residence
	Property line.s.h.p
	Neighbor residences
	Road
	Pond

Hickman Poultry Farm

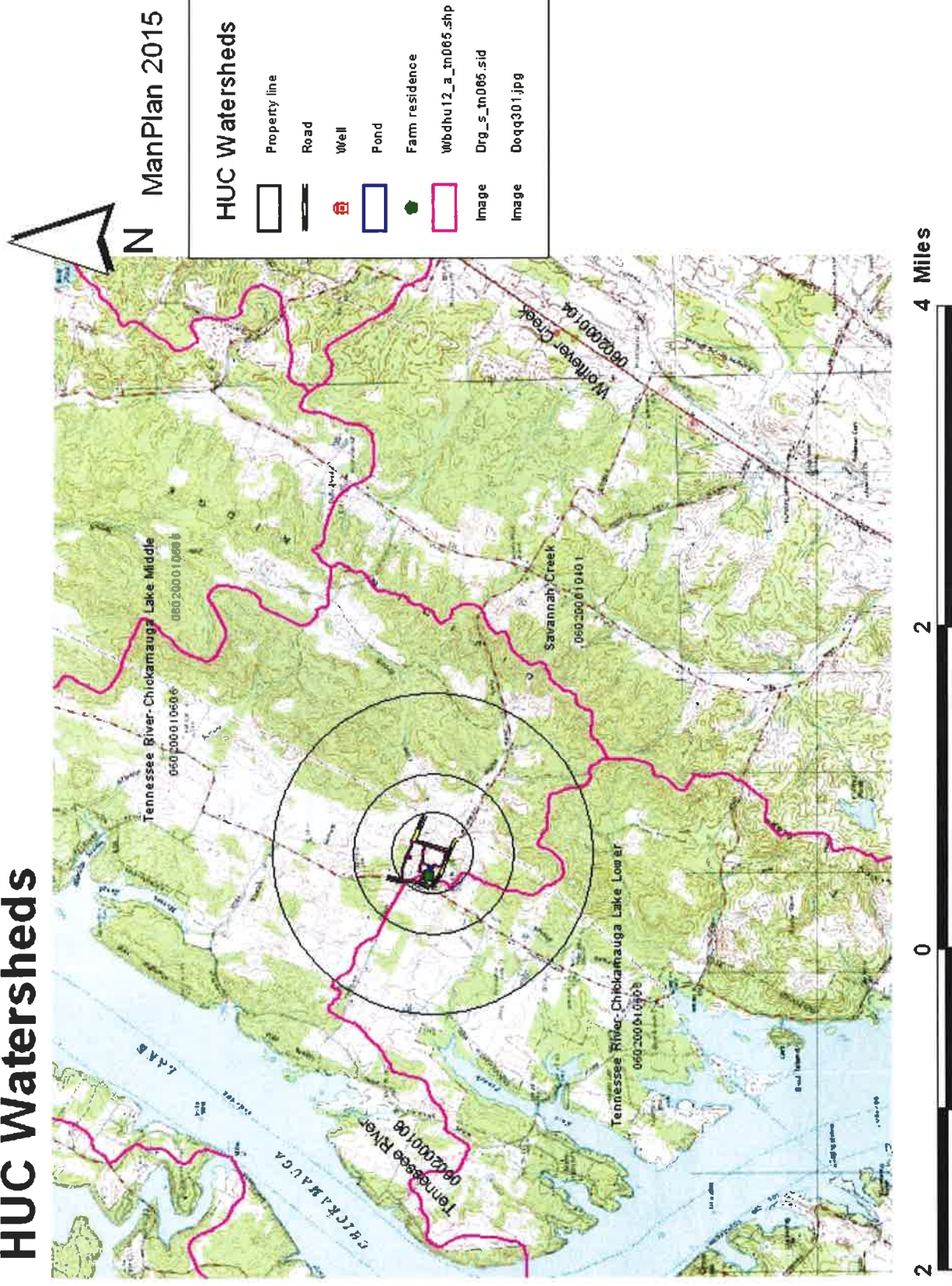


N ManPlan 2015

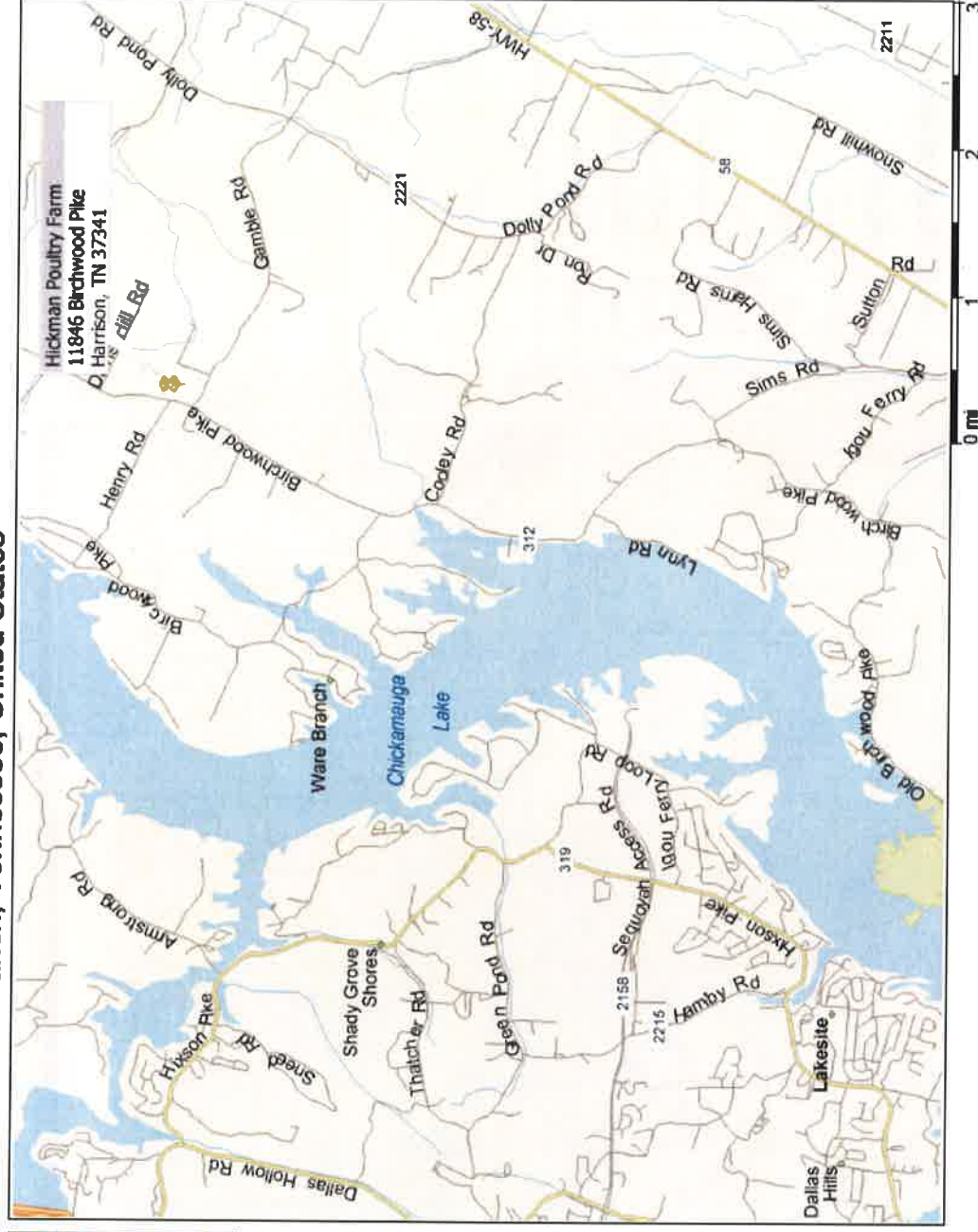
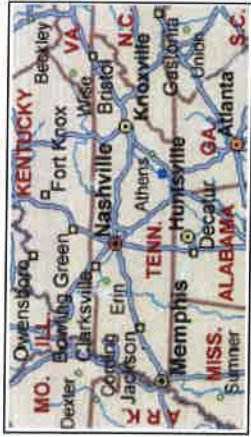


Poultry Facilities	
	Broiler-Houses
	Litter shed
	Com poster
	Driveway
	Feed bins
	Lp-tanks
	Generator
	Utility-shed
	Drainage
	Well
	Farm residence
	Property lines
	Neighbor residences
	Road
	Pond

HUC Watersheds



Ware Branch, Tennessee, United States



- Pushpins**
- My Pushpins**
- Miscellaneous**
- River, Stream, or Canal
- Intermittent River or Stream
- Intermittent Lake
- Glacier or Ice Field
- Swamp or Wetland
- Spring or Well
- Waterfall
- Landmark
- Lighthouse
- Peak
- Volcano